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LEV S-93) TRANSMITTAL LETTER TO THE UNITED STATES				225/44905			
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			ATED/ELECTED OFFICE (DO/A	EO/US) CONCERNING A	U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		
			FILING UNDER 35 U.S	09/214069			
INTE			NAL APPLICATION NO. 753	INTERNATIONAL FILING DATE 5/28/97	PRIORITY DATE CLAIMED 6/26/96		
TITLE	O	FIN	VENTION ENING DOOR HINGE				
APPL	IC/	MT	S) FOR DO/EO/US				
			with submits to the United States Designated/Elect	ed Office (DO/EO/US) the following iter	ns and other information:		
1.	X	Thi	is a FIRST submission of items concerning a filin	g under 35 U.S.C. 371.			
2.		This	is a SECOND or SUBSEQUENT submission of it	tems concerning a filing under 35 U.S.C.	371		
3.	This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).						
4.	X	A pr	oper Demand for International Preliminary Examin	ation was made by the 19th month from	the earliest claimed priority date.		
5.	X	A cc	py of the International Application as filed (35 U.S	.C. 371(c)(2)).			
		a.	is transmitted herewith (required only if not	transmitted by the International Bureau)			
		b.	has been transmitted by the International Bu	ıreau			
		c.	is not required, as the application was filed i	n the United States Receiving Office (RO	D/US)		
6.		A tr	inslation of the International Application into English	sh (35 U.S.C. 371(c)(2)).			
7.		Ame	ndments to the claims of the International Applicat	ion under PCT Article 19 (35 U.S.C. 37)	1(c)(3))		
		a.	are transmitted herewith (required only if no	t transmitted by the International Bureau	1).		
		b.	have been transmitted by the International B	Burcau.			
		c.	have not been made; however, the time limit	for making such amendments has NOT	expired.		
		d.	have not been made and will not be made.				
8.		A tra	inslation of the amendments to the claims under PC	CT Article 19 (35 U.S C. 371(c)(3)).			
9.	X	An c	ath or declaration of the inventor(s) (35 U.S.C. 371	(c)(4)) (unexecuted).			
10.]		nslation of the annexes to the International Prelimi J.S.C 371(c)(5)).	nary Examination Report under PCT Art	cicle 36		
Item 1	1.	to 10	below concern other document(s) or information	on included:			
11.		An I	nformation Disclosure Statement under 37 CFR 1.9	97 and 1.98.			
12.		An a	ssignment document for recording. A separate cover	er sheet in compliance with 37 CFR 3.28	and 3.31 is included.		
13.	K	A FI	RST preliminary amendment.				
		A SI	COND or SUBSEQUENT preliminary amendment	t.			
14.	K	A su	bstitute specification.				
15.		A ch	ange of power of attorney and/or address letter.				
16.	6. X Other items or information: First page of published PCT application Freliminary Esamination Report One sheet of drawings Other of the published PCT of the published PCT PCT PCT of the published PCT PCT PCT of the published PCT PCT of the p						

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	PCT/EP 97/02753			225/44905		
17. [] The following fees	7. [] The following fees are submitted:			CALCULATIONS	PTO USE ONLY	
Basic National Fee (37 CFR 1.492(a)(1)-(5)):						
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Neither international preliminary examination fee (37 CFR 1.482) nor						
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b. [] Please charge my Deposit Account No in the amount of \$ to cover the above fees. A						
duplicate copy of this sheet is enclosed.						
c. [X] The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to						
C. [A] The Commissioner is hereby authorized to charge any additional tees, which may be required, of creat any overpayment to						
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NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))						
must be filed and granted to restore the application to pending status.						
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SEND ALL CORRESPONDENCE TO:			Monagh.	Crasson		
Evenson, McKeown, Edwards & Lenahan, P.L.L.C.			SIGNATURE			
1200 G Street, N.W., Suite 700			Donald D. Evenson			
Washington, D.C. 20005			NAME			
Tel. No. (202) 628-8800			26,160			
Fax No. (202) 628-8844			REGISTRATION NU	MBER		
			12/23/98			
				DATE		

Attorney Docket: 225/44905

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HANS KUEHL ET AL.

Serial No.: Not Yet Assigned

Filed: DECEMBER 26, 1998

Title: LIMITED-OPENING DOOR HINGE

PRELIMINARY AMENDMENT

Box PCT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

The following amendments are submitted preliminary to an action on the merits.

IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) Hinge for motor vehicle doors having a swivel catch comprising, [in particular doors for motor vehicles, in which the] a hinge pin[, in] with a first axial region[,] and [also the] a first hinge plate, [are provided with] the first hinge pin and hinge plate having mutually matching profiles in the form of a plurality of wedge-shaped cams which protrude radially outwards or inwards, respectively beyond imaginary cylindrical surfaces on the hinge pin or in the hinge plate[, respectively,]; the profiles are offset [by the same angle] in [the] a circumferential direction by matching angles and taper

- [characterized in that] wherein the hinge pin (4)[, in] has a second axial region (7), and [the] a second hinge plate (3) [likewise have] having mutually matching second profiles (12, 13; 18) [which can be released from one another and can] adapted to be releasable and to be held in captive engagement[captively to one another].
- 2. Hinge according to Claim 1, [characterized in that] wherein the second profiles in the second axial region (7) of the hinge pin (4) and in the second hinge plate (3) are [in the form of] formed as conical surfaces (12, 13).
- 3. Hinge according to Claim 1, [characterized in that] wherein the second profiles in the second axial region (7) of the hinge pin (4) and in the second hinge plate (3) are designed as axially parallel [toothings] teeth (18).

Please add the following claim:

- --4. A door hinge having a swivel catch comprising:
 - a hinge pin having a first axial region;
- a first hinge plate, said first hinge pin and first hinge plate having matching first profiles formed as a plurality of wedge-shaped cams, said cams being offset in a circumferential direction by matching angles and tapering to cylindrical surfaces:

said hinge pin having a second axial region and second hinge plate having mutually matching second profiles, said second

hinge plate and said hinge pin being releaseably coupled in captive engagement.--

IN THE ABSTRACT

Please substitute the new Abstract of the Disclosure submitted herewith on a separate page for the original Abstract presently in the application.

REMARKS

Entry of the amendments to the specification, claims and abstract before examination of the application is respectfully requested.

If there are any questions regarding this Preliminary Amendment or this application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

December 23, 1998

EVENSON, McKEOWN, EDWARDS & LENAHAN

1200 G Street, N.W., Suite 700 Washington, DC 20005

Telephone No.: (202) 628-8800 Facsimile No.: (202) 628-8844

DDE:EVC:lam

Respectfully submitted,

Donald D. Evenson Registration No. 26,160

Edward V. Charbonneau Registration No. 35,478

--ABSTRACT OF THE DISCLOSURE

The invention relates to a hinge having a swivel catch in the form of circular wedge profiles on the hinge pin and on the hinge plate 2 which swivels around the hinge pin. The angular position of these profiles with respect to one another determines the inhibiting effect. To adjust and securely retain the hinge pin in the hinge plate which bears it, the bearing surfaces of the hinge pin and of the hinge plate are provided with mutually matching profiles. A conical shape or teeth is proposed for these profiles.—

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[HINGE FOR DOORS HAVING A SWIVEL CATCH]LIMITED-OPENING DOOR HINGE

BACKGROUND AND SUMMARY OF THE INVENTION

The invention relates to a hinge for doors having a swivel catch[, in particular]. More particularly, the invention relates to doors for motor vehicles[,] in which the hinge pin[,] in a first axial region[,] and [also] the hinge plate[, in] which [it] can be rotated, are provided with mutually matching profiles in the form of a

provided with mutually matching profiles in the form of a plurality of wedge-shaped cams[which]. The cams protrude radially outwards or inwards beyond imaginary cylindrical surfaces on the pin or in the hinge plate,

respectively[,]. The cams are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces.

Swivelling doors frequently have a swivel catch which is intended to inhibit the free swivelling of the door[to the extent that]. That is, the door automatically remains in at least one open position and/or that its swivelling movement is retarded to such an extent that it cannot slam to by itself.

Provision is thus made, in particular in the case of car doors, that they lock into place when swivelled <u>fully</u> open [to the full extent] and can only be swivelled out of this lock with increased effort. The door <u>also</u> frequently [also] has a further locking position at a smaller opening angle. The locking effect is designed such that the door, when the vehicle is standing on a slope within customary limits, cannot start to move by itself and slam to.

For this purpose, the door has a special component which is generally termed a door arrester. This component requires [an] additional [outlay] costs on design and manufacture. A car door, especially, with the frequent opening and closing is also subject to considerable wear and so the intended locking and braking effect is not

ensured indefinitely.

[It has already been proposed (DE 44 06 824 C) proposes to integrate the function of this component into the hinge of the door. In this case, [provision is made for] the pin of the hinge, in a first axial region, and also [that] the hinge plate [in] which [it] can be rotated, [to be] are provided with mutually matching profiles. The profiles are in the form of a plurality of wedge-shaped cams which protrude radially outwards or inwards beyond imaginary cylindrical surfaces on the pin or in the hinge plate, respectively[,]. The cams are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces.

In the event of wear of these profiles, the hinge can be readjusted[in so far as the]. The inhibiting effect of the mutually matching profiles is produced again by correspondingly changing their angular position with respect to one another. For this purpose, the hinge pin [has to be] is rotatable with respect to the hinge plate, forming [the] a swivel bearing [with it] therewith. On the other hand, however, it also has to be fastened in this hinge plate in a rotationally fixed manner such that it cannot rotate unintentionally. The intended inhibiting effect would, as a result, be missing.

[The] An object of the <u>present</u> invention [was] <u>is</u> to specify a simple solution for fastening the hinge pin in the hinge plate bearing it[, which]. <u>This</u> solution permits the fastening position of the hinge pin in this hinge plate to be changed, preferably continuously but at least sensitively, and also to be reliably observed. The invention achieves this object by means of [the features mentioned in the characterizing part of the main claim] <u>a</u> hinge pin and hinge plate having matching profiles in the

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form of a plurality of wedge-shaped cams.

In a first embodiment, profiles of this type can be designed as cones whose axes lie coaxially to the swivelling axis of the hinge. This profile shape permits infinitely variable changing of the angular position of the hinge pin in the hinge plate. In this case, however, since there is only frictional engagement, unintentional changing of the position of the hinge pin in the hinge plate cannot be ruled out under the effect of unusually high moments[,] or if the clamping becomes loose[, is not entirely ruled out].

In order to ensure absolutely captive fastening of the hinge pin in the hinge plate, provision is made in a further embodiment to design the profiles as intermeshing [toothings] teeth.

Other objects, advantages and novel features of the present invention will become apparent from the following detailed description of the invention when considered in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

In the figures of the drawing the two embodiments are represented using the example of a hinge for a car door. Of course, the invention can also be used on hinges for other applications. In the drawings:

Fig. 1 shows the partially broken-away view of a first embodiment of the hinge according to the invention;

Fig. 2 shows the partially broken-away view of a second embodiment of the hinge according to the invention.

DETAILED DESCRIPTION OF THE DRAWINGS

[The] As shown in Fig. 1, the hinge 1 has a first hinge plate 2 and a second hinge plate 3 which are connected to one another by a hinge pin 4. [By the] The hinge 1 is fastened, on one side of the hinge plates 2

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and 3, to the body of a vehicle, and a door is fastened on the other side by means of screws which grasp through the holes 5[,]. The hinge pin 4 rotates in a first axial region 6 in the hinge plate 2[and]. Hinge pin 4 is fastened in a second axial region 7 in the other hinge plate 3.

The first axial region 6 of the hinge pin 4 and the bearing hole assigned thereto in the hinge plate 2 have mutually matching profiles 8 and 9, respectively[,]. Profiles 8 and 9 are in the form of a plurality of wedgeshaped cams which protrude radially outwards or inwards beyond imaginary cylindrical surfaces on the hinge pin or in the hinge plate, respectively[,]. Profiles 8 and 9 are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces. The rising incline of the cams and the angular position of the parts containing the profiles 8, 9 are selected such that, when the door swivels open, the surface pressure between the cams sliding onto one another increases until the swivelling movement is inhibited. A detailed description and representation of the design and manner of operation of a shaft/hub connection of this type is contained in DE 42 09 153 C2 which is mentioned in the introduction and [to] which is herein incorporated by reference [is made to this extent1.

A nut 10, which can be screwed [onto that] the threaded end region of the hinge pin 4. [which is formed as a thread,] secures the hinge pin in the hinge plate 2 in interaction with a collar 11.

In the first embodiment of the invention according to Fig. 1, the profiles of the second axial region 7 of the hinge pin 4 and the bearing hole in the hinge plate 3 are of conical design. The conical surfaces 12 and 13 can be pressed [one into the other] together by means of a

fastening screw 14[, with the result that the]. The hinge pin 4 and the hinge plate 3 are connected to one another non-positively in a rotationally fixed manner. The angle of taper, which for clarity is shown sharply exaggerated in the drawing, can be small so that, under a high surface pressure, a high retaining force against rotation can be achieved.

When the door is swivelled, the hinge pin 4 is rotated in the hinge plate 2. At the same time, the wedged surfaces of the profiles 8 and 9 slide on one another and progressively increase the frictional engagement between the parts. As a result, the swivelling movement is progressively inhibited. The extent of this inhibition can be changed, with the door closed, by rotating the hinge pin 4 into another starting position and can be readjusted in the event of wear.

For this purpose, by loosening the screw 14, the fit of the conical surfaces 12, 13 is loosened and the hinge pin 4 is rotated, using a tool which engages over the circumference of the collar 11 at a key surface 15, to such an extent that the intended inhibiting effect [comes about] occurs. To secure this new position of the hinge pin 4, the conical surfaces 12, 13 are pressed one into the other again in the new mutual position by tightening the fastening screw 14.

In the embodiment of Fig. 2, the hinge pin 4 is secured in the hinge plate 2 by means of a clamping ring 16, and in the hinge plate 3 by means of a nut 17 which can be screwed onto a thread at the upper end of the hinge pin. To secure the angular position between the hinge plate 3 and hinge pin 4, [use is made here of] a profile in the form of [a toothing] teeth 18 on the second axial region 7 of the hinge pin 4 and in the hole in the hinge plate 3 is used. [This] The intermeshing [toothing] teeth 18 may be designed as a serration.

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To change the rotational position of the hinge pin 4 in the hinge plate 3, [after] the nut 17 [has been] <u>is</u> loosened[, the]. <u>The</u> hinge plate 3 is <u>then</u> pulled off from the hinge pin, i.e. the door is lifted up. The hinge pin 4 can then be rotated using a tool acting on the key surface 15. When this has happened, the hinge plate 3 is again placed onto the hinge pin 4, the [toothings] <u>teeth</u> 18 intermeshing in another position. Finally, the hinge plate 3 is fastened again on the hinge pin 4 by means of the nut 17.

Since [the toothings] <u>teeth</u> 18 have to have a joining clearance, the hinge pin 4 and the hole in the hinge plate 3 are provided, at least on one side, with conical shoulders 19 [by means of which]. Shoulders 19 ensure the parts can be braced against one another as the nut 17 is being tightened and are prevented from rattling. The conical shoulder 19 which is adjacent to the nut 17 is arranged in a separate part 20 which can be placed onto the hinge pin 4.

The foregoing disclosure has been set forth merely to illustrate the invention and is not intended to be limiting. Since modifications of the disclosed embodiments incorporating the spirit and substance of the invention may occur to persons skilled in the art, the invention should be construed to include everything within the scope of the appended claims and equivalents thereof.

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LIMITED-OPENING DOOR HINGE

BACKGROUND AND SUMMARY OF THE INVENTION

The invention relates to a hinge for doors having a swivel catch. More particularly, the invention relates to doors for motor vehicles in which the hinge pin in a first axial region and the hinge plate which can be rotated, are provided with mutually matching profiles in the form of a plurality of wedge-shaped cams. The cams protrude radially outwards or inwards beyond imaginary cylindrical surfaces on the pin or in the hinge plate, respectively. The cams are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces.

Swivelling doors frequently have a swivel catch which is intended to inhibit the free swivelling of the door. That is, the door automatically remains in at least one open position and/or that its swivelling movement is retarded to such an extent that it cannot slam to by itself.

Provision is thus made, in particular in the case of car doors, that they lock into place when swivelled fully open and can only be swivelled out of this lock with increased effort. The door also frequently has a further locking position at a smaller opening angle. The locking effect is designed such that the door, when the vehicle is standing on a slope within customary limits, cannot start to move by itself and slam to.

For this purpose, the door has a special component which is generally termed a door arrester. This component requires additional costs on design and manufacture. A car door, especially, with the frequent opening and closing is also subject to considerable wear and so the intended locking and braking effect is not ensured indefinitely.

(DE 44 06 824 C) proposes to integrate the function of this component into the hinge of the door. In this case, the pin of the hinge, in a first axial region, and also the

hinge plate which can be rotated, are provided with mutually matching profiles. The profiles are in the form of a plurality of wedge-shaped cams which protrude radially outwards or inwards beyond imaginary cylindrical surfaces on the pin or in the hinge plate, respectively. The cams are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces.

In the event of wear of these profiles, the hinge can be readjusted. The inhibiting effect of the mutually matching profiles is produced again by correspondingly changing their angular position with respect to one another. For this purpose, the hinge pin is rotatable with respect to the hinge plate, forming a swivel bearing therewith. On the other hand, however, it also has to be fastened in this hinge plate in a rotationally fixed manner such that it cannot rotate unintentionally. The intended inhibiting effect would, as a result, be missing.

An object of the present invention is to specify a simple solution for fastening the hinge pin in the hinge plate bearing it. This solution permits the fastening position of the hinge pin in this hinge plate to be changed, preferably continuously but at least sensitively, and also to be reliably observed. The invention achieves this object by means of a hinge pin and hinge plate having matching profiles in the form of a plurality of wedgeshaped cams.

In a first embodiment, profiles of this type can be designed as cones whose axes lie coaxially to the swivelling axis of the hinge. This profile shape permits infinitely variable changing of the angular position of the hinge pin in the hinge plate. In this case, however, since there is only frictional engagement, unintentional changing

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of the position of the hinge pin in the hinge plate cannot be ruled out under the effect of unusually high moments or if the clamping becomes loose.

In order to ensure absolutely captive fastening of the hinge pin in the hinge plate, provision is made in a further embodiment to design the profiles as intermeshing teeth.

Other objects, advantages and novel features of the present invention will become apparent from the following detailed description of the invention when considered in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

In the figures of the drawing the two embodiments are represented using the example of a hinge for a car door. Of course, the invention can also be used on hinges for other applications. In the drawings:

Fig. 1 shows the partially broken-away view of a first embodiment of the hinge according to the invention;

Fig. 2 shows the partially broken-away view of a second embodiment of the hinge according to the invention.

DETAILED DESCRIPTION OF THE DRAWINGS

As shown in Fig. 1, the hinge 1 has a first hinge plate 2 and a second hinge plate 3 which are connected to one another by a hinge pin 4. The hinge 1 is fastened, on one side of the hinge plates 2 and 3, to the body of a vehicle, and a door is fastened on the other side by means of screws which grasp through the holes 5. The hinge pin 4 rotates in a first axial region 6 in the hinge plate 2. Hinge pin 4 is fastened in a second axial region 7 in the other hinge plate 3.

The first axial region 6 of the hinge pin 4 and the bearing hole assigned thereto in the hinge plate 2 have mutually matching profiles 8 and 9, respectively. Profiles 8 and 9 are in the form of a plurality of wedge-shaped cams which protrude radially outwards or inwards beyond

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imaginary cylindrical surfaces on the hinge pin or in the hinge plate, respectively. Profiles 8 and 9 are offset by the same angle in the circumferential direction and taper off steeply again onto the cylindrical surfaces. The rising incline of the cams and the angular position of the parts containing the profiles 8, 9 are selected such that, when the door swivels open, the surface pressure between the cams sliding onto one another increases until the swivelling movement is inhibited. A detailed description and representation of the design and manner of operation of a shaft/hub connection of this type is contained in DE 42 09 153 C2 which is mentioned in the introduction and which is herein incorporated by reference.

A nut 10, which can be screwed the threaded end region of the hinge pin 4, secures the hinge pin in the hinge plate 2 in interaction with a collar 11.

In the first embodiment of the invention according to Fig. 1, the profiles of the second axial region 7 of the hinge pin 4 and the bearing hole in the hinge plate 3 are of conical design. The conical surfaces 12 and 13 can be pressed together by means of a fastening screw 14. The hinge pin 4 and the hinge plate 3 are connected to one another non-positively in a rotationally fixed manner. The angle of taper, which for clarity is shown sharply exaggerated in the drawing, can be small so that, under a high surface pressure, a high retaining force against rotation can be achieved.

When the door is swivelled, the hinge pin 4 is rotated in the hinge plate 2. At the same time, the wedged surfaces of the profiles 8 and 9 slide on one another and progressively increase the frictional engagement between the parts. As a result, the swivelling movement is progressively inhibited. The extent of this inhibition can

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be changed, with the door closed, by rotating the hinge pin 4 into another starting position and can be readjusted in the event of wear.

For this purpose, by loosening the screw 14, the fit of the conical surfaces 12, 13 is loosened and the hinge pin 4 is rotated, using a tool which engages over the circumference of the collar 11 at a key surface 15, to such an extent that the intended inhibiting effect occurs. To secure this new position of the hinge pin 4, the conical surfaces 12, 13 are pressed one into the other again in the new mutual position by tightening the fastening screw 14.

In the embodiment of Fig. 2, the hinge pin 4 is secured in the hinge plate 2 by means of a clamping ring 16, and in the hinge plate 3 by means of a nut 17 which can be screwed onto a thread at the upper end of the hinge pin. To secure the angular position between the hinge plate 3 and hinge pin 4, a profile in the form of teeth 18 on the second axial region 7 of the hinge pin 4 and in the hole in the hinge plate 3 is used. The intermeshing teeth 18 may be designed as a serration.

To change the rotational position of the hinge pin 4 in the hinge plate 3, the nut 17 is loosened. The hinge plate 3 is then pulled off from the hinge pin, i.e. the door is lifted up. The hinge pin 4 can then be rotated using a tool acting on the key surface 15. When this has happened, the hinge plate 3 is again placed onto the hinge pin 4, the teeth 18 intermeshing in another position. Finally, the hinge plate 3 is fastened again on the hinge pin 4 by means of the nut 17.

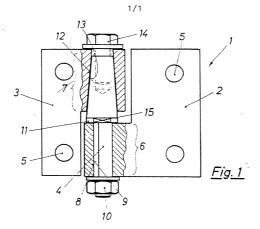
Since teeth 18 have to have a joining clearance, the hinge pin 4 and the hole in the hinge plate 3 are provided, at least on one side, with conical shoulders 19. Shoulders 19 ensure the parts can be braced against one another as the nut 17 is being tightened and are prevented from rattling. The conical shoulder 19 which is adjacent to

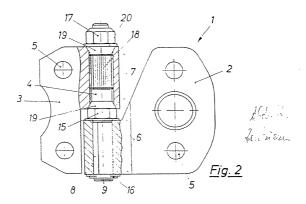
the nut 17 is arranged in a separate part 20 which can be placed onto the hinge $pin\ 4$.

The foregoing disclosure has been set forth merely to illustrate the invention and is not intended to be limiting. Since modifications of the disclosed embodiments incorporating the spirit and substance of the invention may occur to persons skilled in the art, the invention should be construed to include everything within the scope of the appended claims and equivalents thereof.

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DECLARATION AND POWER OF ATTORNEY - PATENT APPLICATION

As a below named inventor, I hereby declare that my citizenship, postal address and residence are as stated below; that I verily believe I am the original, first and sole inventor (if only one inventor is named below) or a joint inventor (if plural inventors are named below) of the invention entitled:

	LIMITED-OPENIN	G DOOR HINGE	
the specification of which X is attached h was filed on I hereby state that I ha	ereto, or as Application N (if applicabl		•
specification, including acknowledge the duty to d defined in 37 CFR \$1.56. States Code \$119 of any for below and have also ider certificate having a filin	the claims, as amend isclose all informat: I hereby claim fore oreign application(s) stified below any fo	ded by any amendment of the control	referred to above. I al to patentability as under Title 35, United or's certificate listed patent or inventor's
Prior Foreign Application	(s)		Priority Claimed
196 25 557.0 (Number)	(Country)	26 June 1996 (Day/Month/Year)	Yes
(Number)	(Country)	(Day/Month/Year)	
Thereby claim the benefi- application(s) listed belo application is not disclo- by the first paragraph of disclose all information which became available bet PCT international filing of	sed in the prior Unit f Title 35, United S known to be material tween the filing date	ed States application tates Code, \$112, I ac to patentability as de of the prior applicati	in the manner provided knowledge the duty to efined in 37 CFR \$1.56
PCT/EP97/02753 (Application Serial No.)	28 May 199	7	pending
Thereby appoint as princip No. 24,392, James F. McKec Evans, Reg. No. 26,269; ee Richard R. Diefendorf, Re- and transact all business and any related United communications to:	pal attorneys Martin E own, Reg. No. 25,406; ary R. Edwards, Reg. No. 32,390; and Pa in the Patent and Tra	Tleit, Reg. No. 16,900; Donald D. Evenson, Reg So. 31,824; Jeffrey D. S ul A. Schnose, Reg. No demark Office connected	Herbert I. Cantor, Reg. No. 26,160; Joseph D. Sanok, Reg. No. 32,169; 38,361, to prosecute with this application
E	Venson, McKeown, 1200 G Street, h Washington, Telephone: (2 Facsimile: (2	D.C. 20005	
I hereby declare that all statements made on inform statements were made with are punishable by fine or Code, and that such willf or any patent issuing the	ation and belief are the knowledge that with imprisonment, or both ul false statements m	believed to be true; willful false statement , under \$1001 of Title	and further that these s and the like so made 18 of the United States
INVENTOR: Citizenship: Post Office Address/ Residence:	HANS KUEHL German Kornbergweg D-73207 Ploc Deutschland Germany	12 thingen	
16 32 1999	Hom 1	Will	- الله الله الله الله الله الله الله الله

(date)

(Signature of 1st inventor)